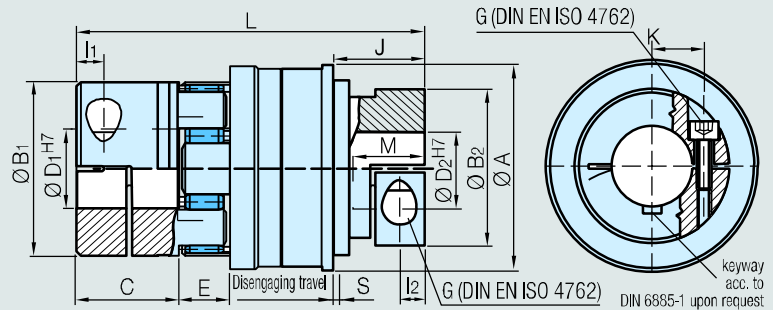


# Backlash-free Safety Coupling Type DMK/ADS



## Technical data Type DMK/ADS

Type			14	19	24	28	38	42
Disengaging torque adjustable	(Nm)	TkN version a	2-5	5-15	12-35	25-75	30-140	140-350
		TkN version b	5-10	15-20 <sup>1)</sup>	20-70 <sup>1)</sup>	65-150	100-300	250-500
Moment of inertia	(10 <sup>-3</sup> kgm <sup>2</sup> )	J Hub side	0,05	0,1	0,32	0,8	3	5
		J Elastomer side	0,006	0,036	0,15	0,33	1,04	3,1
Weight	(appr. kg)	m	0,35	0,5	1,4	2,8	4,6	7,5
Tightening torque of retaining screws	(Nm) MA	G1	5	10	18	43	84	145
		G2	6	15	25	49	100	145
Max. speed	(rpm)	n <sub>max</sub>	11450	8950	7000	6000	5000	3600
Disengaging travel	(mm)	S	0,7	1,2	1,8	2	2	2
Spider shore hardness			98 SH A (red)					

## Dimensions (mm) Type DMK/ADS

Type		14	19	24	28	38	42
L		68	96	124	143	162	185
A		50	65	75	95	115	129
C		11	25	30	35	45	56
→ D <sub>1</sub> <sup>H7</sup>	min. - max.	9-14	10-20	20-28	24-35	32-44	40-60
→ D <sub>2</sub> <sup>H7</sup>	min. - max.	8-14	12-20	20-23	24-35	32-40	40-50
K		10,5	15	20	24	30	40
E		13	16	18	20	24	28
I 1		5	6	10	11	13	15
I 2		5,5	7,5	10	11	13	13
G 1 (DIN EN ISO 4762)		M4	M5	M6	M8	M10	M12
G 2 (DIN EN ISO 4762)		M5	M6	M8	M10	M12	M12
B 1		30	40	55	65	80	105
B 2		45	56	55	76	92	92
J		19	21	36	42	48	46
M		39	51	28,5	32,5	37	37,5
Hub material	elastomer side/hub side	Al/Al	Al/Al	Al/Al	Al/St	St/St	St/St

<sup>1)</sup> To obtain the maximum adjustment range for type b, use spider with 64Sh D. <sup>2)</sup> al = aluminum alloy, st = Steel  
A mechanical or electrical device sensing the position of the steel ring is necessary for torque limiters DMK/ADS (disengaging travel). In case of overload the drive must be switched off.